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NATIONAL MAMMOGRAPHY QUALITY ASSURANCE ADVISORY
COMMITTEE

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MEETING

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TUESDAY,
SEPTEMBER 27, 2005

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The meeting convened in Whetstone Room
of the Gaithersburg Holiday Inn, Two Montgomery
Village Avenue, Gaithersburg, Maryland, 20877, at
9:03 a.m., pursuant to notice, Carolyn B. Hendricks,
M.D., Chair, presiding.

COMMITTEE MEMBERS PRESENT:

CAROLYN B. HENDRICKS, M.D., Chair
CHARLES FINDER, M.D., Executive Secretary
SCOTT FERGUSON, M.D., Member
ALISA GILBERT, Member
JACQUELIN S. HOLLAND, R.N., C.R., Member
MILES G. HARRISON, JR., M.D., Member
CAROL J. MOUNT, R.T. (R) (M), Member
DEBRA L. MONTICCILO, M.D., Member
MELISSA C. MARTIN, M.S., Member
LINDA S. PURA, R.N., M.P.A., Member
WILLIAM A. PASSETTI, B.S., A.A., Member
DIANE I. RINELLA, RT (R) (M), Member
JANE B. SEGELKEN, B.S., M.A., Member
MARK B. WILLIAMS, Ph.D., Member

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P-R-O-C-E-E-D-I-N-G-S

(9:03 a.m.)

CHAIR HENDRICKS: On the record. I'd like to call this National Mammography Quality Assurance Advisory Committee meeting to order. My name is Carolyn Hendricks and I'll be chairing this meeting with assistance from Dr. Charles Finder to my right who is the Executive Secretary of the National Mammography Quality Assurance Advisory Committee.

I note for the record that the voting members present constitute a quorum as required by 21 CFR Part 14. We also have Dr. Miles Harrison participating in this Advisory Committee via telephone and he had some difficulty yesterday hearing the speakers particularly the speakers from the audience. So I'm going to ask again if individuals participating at the podium to please state clearly your first and last name and your affiliation.

Now Dr. Finder is going to review again the Conflict of Interest Statement for the

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1 participants.

2 EXEC. SECRETARY FINDER: The following
3 announcement addresses conflict of interest issues
4 associated with this meeting and is made a part of
5 the record to preclude even the appearance of any
6 impropriety. To determine if any conflict existed,
7 the Agency reviewed the submitted agenda and all
8 financial interests reported by the Committee
9 participants.

10 The conflict of interest statutes
11 prohibit special government employees from
12 participating in matters that could affect their or
13 their employers' financial interest. However, the
14 Agency has determined that participation of certain
15 members the need for whose services outweighs the
16 potential conflict of interest involved is in the
17 best interest of the government.

18 Therefore, waivers permitting full
19 participation in general matters that come before
20 the Committee have been granted for certain
21 participants because of their financial involvement
22 with facilities that will be subject to FDA's

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1 regulation on mammography quality standards with
2 accrediting, certifying or inspecting bodies, with
3 manufacturers of mammography equipment or with their
4 professional affiliation since these organizations
5 could be affected by the Committee's deliberations.

6 These individuals are Ms. Diane Rinella, Ms.
7 Jacquelin Holland, Dr. Debra Monticciolo, Mr.
8 William Passeti, Dr. Mark Williams and Ms. Jane
9 Segelken.

10 Waivers are currently on file for Dr.
11 Carolyn Hendricks, Dr. Scott Ferguson, Ms. Carol
12 Mount, Ms. Alisa Gilbert, Dr. Miles Harrison, Ms.
13 Linda Pura and Ms. Melissa Martin. Copies of the
14 waivers may be obtained from the Agency's Freedom of
15 Information Office, Room 12A-15 of the Parklawn
16 Building.

17 We would like to note for the record
18 that if any discussion of state certifying bodies
19 was to take place in any meetings of the Committee
20 it would be a general discussion only. No vote
21 would be taken and no consensus sought. In the
22 interest of getting as many viewpoints as possible,

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1 all SGEs including state employees would be allowed
2 to participate in the general discussion so that all
3 viewpoints could be heard.

4 In the event that the discussions
5 involve any other matters not already on the agenda
6 in which an FDA participant has financial interest,
7 the participant should excuse himself or herself
8 from such involvement and the exclusion will be
9 noted for the record. With respect to all other
10 participants, we ask in the interest of fairness
11 that all persons making statements or presentations
12 disclose any current or previous financial
13 involvement with accreditation bodies, state doing
14 mammography, inspections under contract to FDA,
15 certifying bodies, mobile units, breast implant
16 imaging, consumer complaints and mammography
17 equipment.

18 CHAIR HENDRICKS: Thank you. Again at
19 this time, I would like the members of the panel to
20 reintroduce themselves for the record and for the
21 audience.

22 MEMBER PURA: Linda Pura, Clinical

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1 Coordinator, Los Angeles County Regional Cancer
2 Detection Program.

3 MEMBER HOLLAND:: Jacquelin Holland,
4 Program Director - Diversity Enhancement, James
5 Cancer Hospital and Soloff Research Institute,
6 Columbus, Ohio.

7 MEMBER GILBERT: Alisa Gilbert, Office
8 of Native Cancer Survivorship, Anchorage, Alaska.

9 MEMBER WILLIAMS: Mark Williams,
10 Associate Professor of Radiology, Biomedical
11 Engineering and Physics, University of Virginia.

12 MEMBER SEGELKEN: Jane Segelken, Breast
13 Cancer Survivor, Ithaca, New York.

14 MEMBER MONTICCILO: Debra Monticciolo,
15 Professor of Radiology and Section Chief of Breast
16 Imaging at Texas A&M.

17 MEMBER FERGUSON: Scott Ferguson,
18 Diagnostic Radiologist from West Memphis, Arkansas.

19 MEMBER RINELLA: Diane Rinella. I'm a
20 Mammography Technologist and Consultant from
21 California.

22 EXEC. SECRETARY FINDER: Dr. Charles

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1 Finder. I'm the Executive Secretary of this
2 Committee.

3 CHAIR HENDRICKS: Carolyn Hendricks.
4 I'm a Medical Oncologist practicing in Bethesda,
5 Maryland.

6 MEMBER PASSETTI: Bill Passetti. I'm
7 the Director of Florida's Radiation Control Agency.

8 MEMBER MOUNT: Carol Mount, Manager of
9 Breast Imaging and Intervention, Mayo Clinic,
10 Rochester, Minnesota.

11 MEMBER MARTIN: Melissa Martin. I'm an
12 Consulting Medical Physicist in Southern California.

13 CHAIR HENDRICKS: Dr. Harrison.

14 MEMBER HARRISON: Miles Harrison, Breast
15 Cancer Surgeon, Sinai Hospital, Baltimore.

16 CHAIR HENDRICKS: Thank you very much.
17 As the last item of Committee business before we
18 begin the meeting, I would like to read a brief
19 statement addressed at the individuals in the
20 audience who make a public statement today.

21 Both the Food and Drug Administration
22 and the public believe in a transparent process for

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1 information-gathering and decision-making. To
2 ensure such transparency at this open public hearing
3 session of the Advisory Committee, the FDA believes
4 that it is important to understand the context of an
5 individual's presentation.

6 For this reason, the FDA encourages you,
7 the open public hearing speaker, at the beginning of
8 your written or oral statement to advise this
9 committee of any financial relationship that you may
10 have with the sponsor, its product and if known, its
11 direct competitors. For example, this financial
12 information may include the sponsor's payment of
13 your travel, lodging or other expenses in connection
14 with your attendance at this meeting.

15 Likewise, the FDA encourages you at the
16 beginning of your statement to advise this committee
17 if you do not have any such financial relationship.

18 If you choose not to address this issue of
19 financial relationships at the beginning of your
20 statement, it will not preclude you from speaking.

21 Now we'll move into the open public
22 hearing portion of this meeting by inviting to the

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1 podium Judith Wagner who is going to speak on
2 Interventional Mammography Regulation. Ms. Wagner.
3 The speakers will be confined to ten minutes.

4 EXEC. SECRETARY FINDER: Before you
5 start, I just want to make mention. We no longer
6 have our timer. So I'm going to have to motion to
7 you. If I start making signals.

8 MS. WAGNER: Welcome. Thank you. Thank
9 you all for having me speak today. As a nurse,
10 breast cancer advocate and breast cancer survivor.

11 My advocacy for quality breast care
12 began two years ago when suspicious lesions were
13 found on my yearly screening mammogram and a
14 stereotactic biopsy was attempted by a surgeon who
15 could not localize my lesion and perform the biopsy.
16 so I went to an accredited breast center where a
17 diagnostic radiologist localized my calcifications
18 without difficulty, performed the biopsy and I was
19 diagnosed with low-grade DCIS (Ductal Carcinoma In
20 Situ).

21 This began my quest of knowledge
22 regarding the standards necessary to perform image-

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1 guided breast biopsies. Why did the hospital that I
2 had worked in for 20 years and trusted not have an
3 expert in imaging doing my stereotactic breast
4 biopsy? As a nurse, I was really unaware of the
5 standards. I had worked 20 years in the ICU and
6 went about life and didn't really realize what the
7 standards were for performing these image-guided
8 breast biopsies. And after I found out, I wanted
9 other women to know what I didn't know before they
10 had this experience.

11 So I went the process of my DCIS
12 treatment and I gathered information. I had
13 hundreds of articles from the internet. I contacted
14 my senators, my congressmen, Senator Mikulski, the
15 FDA, the ACR, Tommy Thompson who was at that time
16 Health and Human Services Secretary and I built my
17 knowledge base because this was going to be the
18 biggest advocacy of my nursing career.

19 I actually last week presented my talk.

20 I have a PowerPoint presentation called "Choosing
21 Wisely: How to Make Informed Breast Biopsy
22 Decisions" at the Milwaukee Athletic Club and I was

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1 sitting with one of the board members who said, "And
2 how do you get paid? Are you paid for doing this?"

3 I said, "No, this is my mission in life. This is
4 my mission to let women know before they get into
5 this position where someone says you have a lesion
6 or a suspicious mammogram and they go ballistic
7 because I was that woman. I wanted an answer
8 yesterday." Even though I felt I was a very strong
9 woman, you hear that, and I think many of you know,
10 you just short circuit.

11 So I began writing articles in national
12 magazines, nursing publications, one called
13 "Nursingmatters" and I received calls from Parish
14 Nurses who read "Nursingmatters" to speak at
15 churches and I speak where anyone will listen. I've
16 appeared on a local NBC affiliate in my area
17 regarding my advocacy of quality breast centers and
18 accredited breast centers and women contacted me
19 regularly about questions and concerns that they
20 have about their breast biopsy decisions. I
21 correspond with nurses in hospitals throughout the
22 country who have issues of concern related to the

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1 quality and performance of breast biopsy and the
2 standards of practice for physicians who perform
3 them.

4 I believe that early diagnosis of breast
5 cancer when it is less than 15 mm is critical for
6 improvement in breast cancer mortality and morbidity
7 and that quality standards must be mandated for
8 performance in all these areas of mammography from
9 screening to diagnosis, biopsy and treatment. Women
10 need to be able to trust the medical system. I
11 trusted a system that I worked in 20 years and they
12 need to be assured that this physician who performs
13 these procedures maintains the high quality
14 standards.

15 So I speak as I say wherever I'm invited
16 and I have a handout called "Key Questions That
17 Determine a Quality Breast Center" and I give it to
18 women and I make them think.

19 I have spoken before the IOM Committee,
20 Improving Mammography Quality Standards in
21 September 2004 and I requested that all image-guided
22 breast biopsies, stereotactic, ultrasound and MRI be

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1 required to have mandated accreditation. This
2 request was discussed by the committee and it was
3 stated that the name MQSA would need to be changed
4 in order to include non-mammographic imaging
5 modalities. My request was, "Then change the name."

6 When the study did come out, it was
7 titled "Improving Breast Imaging Quality Standards"
8 because breast care has evolved. The umbrella has
9 gotten bigger. We need to include everything
10 underneath it in the diagnostic process of breast
11 care.

12 I found a very important statement in
13 the IOM Study of 1999 and I use this at all my
14 presentations. It's right up on my slide. "These
15 studies identify multiple steps during the
16 diagnostic evaluation of breast cancer at which the
17 quality of care may be affected by the quality of
18 the procedure. Poor quality at any step could
19 significantly impact the overall quality of the care
20 provided." About two weeks ago, I had the privilege
21 to spend time in London with Dr. Nicolas Perry who
22 is the Consultant Radiologist and Head of

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1 Mammography at St. Bartholomew's in London. He
2 echoed the same sentiment in this statement. He
3 said, "I believe that quality is more than just a
4 word and a chain is no stronger than its weakest
5 link." In fact, in London, they are going to be
6 doing the fourth edition of their European
7 Guidelines for Mammography and he was requested by
8 the European Parliament to incorporate more on the
9 diagnostic portion of it and the physicians who
10 perform it. So that will be coming out in October
11 of this year. He will be presenting it before the
12 European Parliament.

13 I believe that the Diagnostic
14 Radiologist should be the sub specialist dedicating
15 100 percent of his time to breast imaging in order
16 to perform quality care. I have found in all my
17 studies that the majority of radiology groups do not
18 have radiologists who perform breast care 100
19 percent because they still have to take call and
20 weekends and because of the financial impact of not
21 getting enough for mammography, they can't afford to
22 raise this area of radiology to the level that it

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1 deserves.

2 And there's a recent article by Jerry
3 Kolb the National Consortium of Breast Centers, it's
4 called the "Bulletin," and it's entitled "Good
5 Enough - The Enemy of Great."

6 I have been in communication with
7 numerous breast care leaders in this country and
8 keep echoing to me the same concerns: medical legal
9 issues, inability to fill Breast Fellowship
10 positions; and cost of proposed auditing if the IOM
11 Study Recommendations would be accepted. So I speak
12 out for quality being mandated and yet I realize
13 none of this can happen unless reimbursement for
14 mammography and the above concerns are put into
15 place before the recommendations are mandated.
16 There needs to be increases in reimbursement for
17 mammography and biopsy procedures before these
18 recommended mandates can be put into place.

19 How are we going to get new fellowship
20 positions filled when radiologists are unhappy
21 because they have to do mammography? I know that
22 screening mammography saves lives for women, wives

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1 and mothers and if you ask Tommy Thompson, daughters
2 because his 33-year-old daughter was diagnosed last
3 year with breast cancer. Dr. Daniel Kopans in a
4 recent cover story, "MQSA Historic Success Becomes
5 Regulatory Threat," Diagnostic Imaging, September
6 2005 stated, "Mammography is difficult, stressful
7 work but since screening began, the breast cancer
8 death rate in the U.S. has dropped by 25%. Better
9 therapies have also contributed, but the majority of
10 that decrease is from screening." And I am one of
11 those people who had good screening and they found
12 my micro calcifications.

13 That is why I believe that mammography
14 deserves to be a sub specialty of radiology and
15 radiology groups should give it the same reverence
16 that they do MRI, Interventional Radiology because
17 after all, isn't mammography important? You all
18 have mothers and daughters and wives. After all, we
19 are also looking at these costs and by the 2010, and
20 this is in an article by Dr. William Eckland, 50% of
21 all women in this country will be mammography
22 eligible. The baby boomers are coming. I'm the

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1 first.

2 If mammography is not made a sub
3 specialty and radiologists are forced by their
4 groups to read the 480 mammograms per year often
5 without a committed desire how will medical students
6 and residents ever learn this broad scope of breast
7 care? That's what Dr. Perry says. It's a broad
8 scope.

9 I would request, I hope and desire, that
10 this committee will take the necessary steps to
11 insure that the recommendations of the IOM Study are
12 adopted by both the FDA and Congress so that women
13 throughout this country will receive their breast
14 care, including screening, diagnostic, image-guided
15 biopsies performed by dedicated Accredited Imaging
16 Physicians who practice breast care with the highest
17 of standards mandated under the BIQSA (Breast
18 Imaging Quality Standards Act). And we need to have
19 centers of excellence so that this can be performed.

20 I would also request that the committee
21 and Congress address the costs of implementing these
22 proposed recommendations so that mammography will

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1 not lose physicians and centers due to the increased
2 cost incurred due to the mandating of improved
3 standards of care. The burden of increasing
4 mandates on an already low-reimbursed procedure will
5 put further stress on radiology groups and all
6 facets of mammography. Thank you.

7 CHAIR HENDRICKS: Thank you very much.
8 Any comments on the presentation from the audience
9 or the panel? Then we move to Dr. Richard Wagner
10 who is going to speak on interventional mammography
11 regulation.

12 DR. WAGNER: Thank you for giving me the
13 opportunity to present my statements in person to
14 this advisory committee. I have no conflict of
15 interest.

16 My name is Richard Wagner. I have been
17 a general radiologist in private practice in the
18 Milwaukee area for almost 27 years. I have
19 performed almost all aspects of general radiology
20 including CT, MRI, ultrasound, nuclear medicine,
21 many interventional procedures and mammography
22 including screening and diagnostic.

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1 After 25 years, I was removed from my
2 sites of practice after raising quality of practice
3 issues having to do with nonradiologists performing
4 poorly interventional breast procedures. This
5 initially began after my wife developed suspicious
6 calcifications on her screening mammogram. A non-
7 radiologist attempted a stereotactic biopsy but
8 could not find the calcifications. This prompted
9 taking my wife to an accredited breast center where
10 a dedicated breast radiologist easily found the
11 calcifications which were biopsied and DCIS was
12 diagnosed.

13 This made me question why there was a
14 difference in her experience and treatment between
15 the two facilities. I began to discover that there
16 were too many poorly performed biopsies including
17 image-guided as well as open surgical. Also,
18 because of poor concordance, there were delays in
19 diagnosis. There were more than 50% open biopsies
20 being performed. Patients were not informed of
21 their biopsy options. I also questioned whether the
22 hospital's credentialing and re-credentialing

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1 standards regarding breast biopsies were being met.

2 I brought these issues to the Quality

3 Assurance Committee with no substantive action.

4 Meanwhile, I regularly began speaking to patients

5 regarding alternatives to open biopsies. This

6 further angered my non-radiology colleagues.

7 Initially I was verbally harassed. Ultimately

8 economic pressure was applied to my group. If they

9 would not remove me from my sites of practice where

10 I had spent my entire professional career, the

11 clinic contract would not be renewed. I was moved

12 to other sites that my group covered.

13 The contract was recently renewed but

14 not before two other partners were also removed from

15 the clinic for also raising quality issues and

16 speaking to the patients. Recently in on of our ACR

17 stereotactic and ultrasound accredited sites, a

18 different group of non-radiologists is pressuring

19 administration into performing stereotactic biopsies

20 by threatening to move their breast patients to

21 another facility. It appears at this time that they

22 will succeed which would put this site at risk for

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1 losing its accreditation. Again, economic pressures
2 succeed at the expense of quality.

3 I have spent the last year working in
4 friendlier venues within my group. I have developed
5 a passion for performing quality breast care. I
6 have dedicated a large portion of my time, including
7 vacation, educating myself in breast care. This
8 includes reading, breast conferences and mini
9 fellowships. I recently submitted my resignation to
10 my group and plan to spend the remainder of my
11 career as a dedicated breast radiologist.

12 There are significant differences in the
13 practice environment of radiologists performing
14 breast care in private practice versus those in
15 academic settings and certain multi-specialty
16 practices. A major negative difference is the turf
17 issue which unfortunately is frequently economically
18 driven. Many image-guided breast procedures are
19 performed by highly skilled, qualified, and
20 dedicated physicians but all too frequently many are
21 performed by less-qualified physicians who have
22 control of the patient and/or the equipment to

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1 perform these procedures.

2 This problem could be resolved by
3 implementing mandated accreditation standards for
4 all image-guided breast biopsy procedures thus
5 resulting in the highest of standards being met by
6 any physician performing these procedures. This
7 would require uniform accreditation and changing
8 MQSA to BIQSA (Breast Imaging Quality Standards Act)
9 so that all image-guided breast biopsies would be
10 included.

11 Currently there are a multitude of
12 credentialing bodies with varying standards. It is
13 natural that the least qualified providers will seek
14 credentialing with the organization for which they
15 can meet their standards. Mandating one high
16 quality standard for all physicians to achieve will
17 improve quality and outcomes and decrease costs.

18 The patient is unaware that there are
19 different credentialing standards and is often not
20 informed. This would also eliminate the turf issues
21 which often lead to a very unpleasant practice
22 environment for a significant number of physicians

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1 who would prefer to deliver quality breast care
2 without having to deal with often hostile
3 professional relationships due to these turf issues.

4 These issues also contribute to recruitment
5 problems and veteran providers abandoning breast
6 care.

7 It has become increasingly evident since
8 I have become an advocate for quality breast care
9 that voluntary methods for accreditation are not
10 working. These are providers that comply with the
11 recommended standards, but unfortunately a large
12 number do not. These are the providers who could not
13 meet these standards if they were mandated. I
14 strongly believe that if mandated standards of
15 accreditation for all aspects of breast care were
16 implemented there would be a greater interest in
17 practicing this specialty by physicians who are
18 truly dedicated and would provide high quality-high
19 volume service.

20 Conversely, the radiologists who are
21 disinterested in breast care but are forced by their
22 group to do breast care would be weeded out, very

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1 often to the benefit for the women who are not aware
2 of the current vast differences in breast care
3 standards and the level of competence and degree of
4 interest of their providers. More physicians would
5 probably be inclined to enter the specialty of
6 breast care if it was a sub specialty that received
7 the respect it deserved for decreasing the mortality
8 of breast cancer.

9 It is discouraging to practice in an
10 environment where quality is superseded by economic
11 incentives when non-specialized practitioners "skim
12 the gravy" but refer the difficult cases to those
13 who have greater proficiency and expertise in the
14 performance of these more difficult image-guided
15 procedures. There is a fear that if accreditation
16 standards were raised and mandated, there would
17 become a shortage of breast care providers.

18 I believe that this would be a short-
19 term effect at worst. It would discourage and
20 ultimately eliminate physicians with little "true"
21 interest in breast care. The remaining providers
22 would be truly qualified as well as interested in

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1 providing high quality breast care. This would
2 become a "respected specialty," not the poor orphan
3 that it is now. High quality providers would result
4 in lower incidence of malpractice.

5 However this issue should also be
6 addressed via tort reform. Reimbursement issues
7 need to be addressed. This is a real concern for a
8 large number of breast care specialists who are in
9 favor of the proposed reforms but are very concerned
10 about the costs of their implementation. To mandate
11 recommendations without a plan to finance them is a
12 setup for failure.

13 As addressed in the recent IOM Study,
14 "Improving Breast Imaging Quality Standards," there
15 is a need to recruit new physicians into breast
16 care. However these new physicians need protection
17 from the various negative factors which are
18 currently preventing recruitment and causing
19 practicing providers to quit in frustration. These
20 factors are turf issues, low reimbursement and
21 malpractice concerns.

22 The principal goal of screening

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1 mammography is to decrease the mortality and
2 morbidity of breast cancer. This has been shown to
3 have an effect when cancers are detected when they
4 are small and have not had a chance to metastasize.

5 At this early stage, they are curable and, from an
6 economic standpoint, early stage cancers are much
7 less costly to treat than more advanced cancers.
8 Unless cancers are found in an early stage when they
9 are small, there is little improvement in mortality
10 over those that are found clinically.

11 Current treatments have had little
12 effect on improving survival for later stage
13 cancers. From a screening standpoint, missing the
14 small cancers and only finding the larger cancers
15 defeats the purpose of screening and is wasted
16 money.

17 To achieve this goal of early detection,
18 there is a need for highly trained, dedicated breast
19 imaging specialists who have high quality screening
20 skills who regularly find these early cancers and
21 are capable of performing the image-guided,
22 minimally invasive biopsies that are often required

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1 for diagnosis and treatment planning. These image-
2 guided procedures require imaging equipment that is
3 user-dependent.

4 Too many biopsies are performed without
5 the knowledge of the proper indications of these
6 image-guided procedures and are often economically
7 driven. All too many biopsies are performed in
8 private offices where the quality of the imaging
9 equipment is suboptimal, high standards of practice
10 and proper documentation of the procedures are not
11 performed, and individual performance standards are
12 not monitored nor are they currently required.

13 In summary, the patients and dedicated
14 breast care providers need protection which would be
15 provided by mandatory accreditation of all aspects
16 of breast care. There needs to be improvement in
17 reimbursement for breast care. Why is breast care
18 less valued than other aspects of medicine, yet it
19 is the most regulated? This regulation is expensive
20 and is the responsibility of the provider. There
21 needs to be malpractice reform particularly relating
22 to breast care.

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1 These issues are of major concern for
2 people who are currently in breast care. They are
3 deterrents for future breast care providers and must
4 be addressed if quality breast care can continue and
5 hopefully expand its scope. Thank you for allowing
6 me to present my views during this important era in
7 improving breast care.

8 CHAIR HENDRICKS: Thank you very much.
9 Any questions from the panel or the audience
10 regarding the presentation? Then at this time, Dr.
11 Finder's going to read some written comments
12 submitted by Dr. Murray Reicher on "Full Field
13 Digital Mammography Guidance."

14 EXEC. SECRETARY FINDER: These comments
15 will basically apply to our discussion later on
16 today when we discuss our various guidance
17 documents. But the following comment was received
18 from Dr. Murray Reicher who is Chairman of DR
19 Systems, an RIS and PACS vendor. So that's his
20 conflict of interest acknowledgment.

21 His specific input is as follows: Page
22 15, question 5 of the Guidance document which

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1 everybody should have in the handouts and again
2 we'll go over it in detail in the afternoon section.

3 This section refers to the labeling of images at
4 the time of presentation and I agree with the
5 comments. You may be aware that FFDM Manufacturers
6 deal with the issue of labeling of laterality and
7 view in various ways. One vendor I know of burns
8 left and right and view markers such as LCC in the
9 FFDM image just as if the technologist used the lead
10 marker with film.

11 Another vendor does not but only
12 provides the information necessary for a third party
13 viewer to derive that data in the DICOM header
14 field. Another vendor doesn't provide the view
15 dated in standard DICOM field but instead it seems
16 to provide this information in a private tag. I
17 suggest that FFDM Manufacturers should be encouraged
18 to follow one manufacturer's lead and actually embed
19 the laterality and view label in the image pixel
20 since this eliminates the chance of mislabeling by
21 other viewers down the line.

22 Next comment refers to page 26, question

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1 2. The answer seems to open the door for users to
2 try less than five megapixel monitors although not
3 explicitly stated. My opinion is that readers
4 should have the discretion to pick the monitor they
5 desire as long as there is some instruction or
6 method that encourages display of every pixel so
7 that subsampled viewing of pixels is not routinely
8 performed inadvertently. That's what it says.

9 My concern is as I have expressed it
10 before is that current mammography's soft copy
11 viewing systems make it easy for viewers to
12 inadvertently subsample pixels when displaying
13 images such as when a four-to-one format is used
14 without understanding what they are doing. I would
15 suggest that you consider the following comments in
16 preparing future guidance documents.

17 With regard to all imaging, but
18 mammography, the PACS vendor's responsibility with
19 regard to data compression is to provide labeling.
20 But readers can select to perform the primary
21 reading of exams CT, MRI with lossy data
22 compression. This is becoming a very common

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1 practice and is supported by medical literature.
2 There is clearly a difference between lossy data
3 compression and perceptible visually destructive
4 data compression. A computerized radiography image
5 or CT image with a JPEG five-to-one is lossy
6 compressed but not distinguishable from the original
7 by human observers.

8 With regard to data compression, the
9 Office of Device Evaluation holds device
10 manufacturers to a different standard when it comes
11 to mammography and I don't fully understand what the
12 scientific or legal basis for this different
13 approach is. With mammography, manufacturers are
14 required to label any lossy compressed image not for
15 primary reading or at least DR Systems does that
16 based on our understanding of what we were required
17 to do by the Office of Device Evaluation and MQSA.

18 If this different approach comes from
19 MQSA and not ODE, your input would be important. If
20 it's coming strictly from ODE, does that mean that
21 if ODE approves a display device that uses lossy
22 compression data for primary mammography reading,

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1 then MQSA policy with regard to that practice
2 immediately changes de factum?

3 Our pilot research seems to indicate
4 that we can compress GE FFDM mammograms down to
5 three to four hundred kilobytes per image and
6 Lorad/Fischer mammograms down to under one megabyte
7 per image without resulting in visually detectable
8 change in the image and perhaps more before we could
9 alter an ROC curve. That's a big benefit for any
10 mammography provider with multiple sites seeking to
11 improve their mammography by centralizing reading to
12 a single site where an expert mammographer
13 interprets the exams. As you know, data shows that
14 experts may detect the breast cancer with twice the
15 frequency far more as compared with general
16 radiologists readers.

17 The same logic applies to need for
18 guidance with regard to digitization of all film
19 screen mammograms with discard of the original.
20 This current guidance makes it clear that a facility
21 may elect to digitize prior film mammograms for
22 comparison purposes. We want to go to the next step

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1 and allow a facility with proper quality controls to
2 digitize the prior film and discard the original or
3 give it to the patient. Our belief is that this
4 will not only lower cost but actually enhance safe
5 storage in electronic clinical access for future
6 comparison.

7 In summary, my questions with regard to
8 both digitizing films and data compression may be
9 condensed into one basic question. In upholding the
10 requirement to view and store the "original
11 mammogram," how can a facility or vendor properly
12 demonstrate that a "nonidentical original" as the
13 result of data compression, for example, is in fact
14 so functionally identical to the origin that it can
15 replace the original? Of course, with regard to
16 both printing of film and display and monitors, one
17 must recognize that all existing systems slightly
18 alter the original today since no two printers or
19 monitors are exactly alike.

20 So if a provider or vendor can follow a
21 quality process that insures that other data
22 altering steps such as data compression functionally

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1 and visually preserve the information in the
2 original image, why provide any barrier to that
3 process with regard to mammography in distinction to
4 all other forms of medical imaging? Again, we will
5 discuss this in greater detail in the afternoon.

6 CHAIR HENDRICKS: Any questions or
7 comments from the panel or from the audience related
8 to the written comments? At this time, all of these
9 presentations are open for discussion from the panel
10 or from the audience. Barring any comments, we'll
11 move then to the next speaker. I welcome Lt.
12 Commander Sean M. Boyd who is Chief of the
13 Electronic Products Branch to the podium to give us
14 a radiologic health update. Lt. Commander Boyd,
15 welcome.

16 LT. COMMANDER BOYD: Thank you. I do
17 have handouts. I'm Sean Boyd. I'm going to give
18 you a brief overview of some work that we've been
19 doing over the past year to reconceive FDA's
20 radiological health program. We've been working the
21 past ten or twelve months to do this, acknowledging
22 that many of the public health problems and issues

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1 that prompted the promulgation of the Radiation
2 Control for Health and Safety Act in 1968 have
3 changed although our public health mission today
4 remains. So we have a fairly-detailed-but-in-
5 process plan to address current public health
6 problems for today.

7 What has changed since 1968? The three
8 areas in your slides you'll see are first product
9 environment. We believe that the markets have
10 become global, not longer products just primarily
11 made for the U.S. or in the U.S. market.
12 Manufacturing processes have advanced, promoting
13 safer building and testing and evaluation of
14 products and more effective international voluntary
15 standards are in place today; whereas, 25, 30 plus
16 years ago, the standards that were in place were
17 primarily FDA standards.

18 Public health needs have also changed
19 where product problems or manufacturing problems
20 were our primary concern in the late 1960s and early
21 1970s where today we believe that those problems
22 either can be or already have been addressed for

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1 many of the products that we began regulating years
2 ago. And the issues today are more related to
3 product use.

4 Finally, CDRH resources have changed
5 where over the past few decades our focus has
6 shifted more towards medical devices and our
7 radiological staff and expertise has declined which
8 primarily if you look at the FDA history on the next
9 slide, the point of this slide is to say not that we
10 don't have as many people as we used to, certainly
11 we don't, but we need to be more cognizant of the
12 resources, the few resources, that we have and best
13 use those resources to deal with high priority
14 problems, dose-intensive equipment and real public
15 health risk.

16 Slide 5 shows the CDRH program mission;
17 again, remains to protect the public from hazardous
18 or unnecessary electronic emissions. The way we do
19 that is by maintaining awareness of radiation-
20 emitting products and their manufacturers, who is
21 making what and what they're making, assessing
22 radiation emission levels and conditions of use for

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1 these products, understanding the effects of the
2 emissions and their potential risk to health for the
3 public, providing guidance to mitigate these risks
4 both to the users, to the public and to
5 manufacturers and encouraging manufacturers to
6 comply with requirements or available standards
7 while pursuing enforcement action when necessary.

8 Slide 6 shows our five program elements
9 that we have developed in our Radiological Health
10 Plan for the future. I'm going to focus on the top
11 three today, standards, monitoring and education.

12 Slide 7 shows the goals for standards
13 which are primarily using performance standards that
14 are enforceable and appropriate for today's
15 technology and these would be FDA performance
16 standards that are required that manufacturers
17 comply by law while increasing use and reliance on
18 either international or national voluntary consensus
19 standards. What we hope to do is establish
20 processes that we are able to insure conformance
21 with whichever of these two standards, a mandatory
22 or consensus standard, by manufacturers when they're

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1 appropriate.

2 Some of the activities on Slide 8 that
3 we're hoping to cover and currently have in process
4 with regard to standards are increasing our and
5 other stakeholder participation and development of
6 international and national consensus again focusing
7 on high risk products and dose-intensive equipment
8 by allowing conformance to consensus standards, by
9 guidance which would be followed by adopting a
10 standard by reference. We have done that with our
11 Federal Laser Standard where we've adopted the IEC
12 or we allow manufacturers to conform with the IEC
13 Laser Standard by guidance and are moving to adopt
14 that standard by reference. We are going to look
15 into a similar paradigm for other standards to
16 include the CT, ultrasound or other diagnostic x-ray
17 standards.

18 Another thing that we hope to do or
19 we're looking into right now is pursuing legislative
20 change that would allow adoption and enforcement of
21 voluntary consensus standards. This is not
22 something that would be required or impact other

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1 portions of the plan but if this is something that
2 we could do to facilitate our use of approach
3 consensus standards as necessary that might help us
4 insure product safety. Finally, we want to base
5 enforcement actions within the standards to lower
6 risk.

7 Slide 9 shows goals for monitoring and
8 the monitoring portion of our plan. Essentially,
9 we'll want to maintain awareness of radiation-
10 emitting electronic products and their
11 manufacturers. We want to be able to assess
12 electronic product emissions and their conditions of
13 use. And we want to be able to understand the
14 effect of emissions and exposure on risk.

15 Some of the activities on Slide 10 that
16 we are pursuing and monitoring right now are to
17 require only essential manufacturer reporting.
18 We're going to relieve or provide some relief to
19 manufacturers of low-risk products and not require
20 as many or all the types of reports that we have in
21 the past for low-risk products but maintaining the
22 reporting requirements for higher risk, dose-

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1 intensive equipment.

2 At the same time, we want to move away
3 from routine field and lab test programs that we
4 currently have and move toward more-cause testing,
5 field and lab testing and primarily to manufacture
6 inspections. One of the things you probably talked
7 about is we're exploring elimination of the dose
8 measurement during MQSA inspections. We're
9 exploring phasing out routine laboratory and field
10 testing again in favor of for-cause testing where we
11 would be able to identify a specific problem or a
12 manufacturer that would be of higher risk than
13 another that might be covered in a routine program.

14 We're looking to phase out certain
15 instrumentation calibration capabilities that we
16 currently have in favor of maintaining
17 instrumentation expertise and the capability to
18 measure a variety of types of radiation from a
19 variety of products.

20 And finally under monitoring, we want to
21 work to emphasize assessment of use and exposures by
22 harvesting data from organizations that are

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1 currently collecting exposure and dose information
2 rather than collecting that data ourselves. We may
3 or may not have the resources to go out and collect
4 all the type of data that we want, whereas other
5 organizations are already collecting it. So if we
6 can work together with people to collect that,
7 that's what we would like to do.

8 Slide 11 shows our goals for education.

9 We have a goal of having a public able to make
10 informed choices about their own exposure in a
11 variety of settings that might include medical,
12 occupational or the home environment, a goal of
13 having users able to minimize their own exposures
14 and optimize the exposure and dose they're providing
15 to the people they are treating or exposing.

16 Manufacturers today are able to understand their
17 responsibilities in educating the public and users
18 and are sensitive to the risk their product poses
19 and appropriate information or actions they need to
20 take to minimize that risk as well as FDA and state
21 regulators that assess users in minimizing radiation
22 exposure to the public.

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1 Some of the activities that we're
2 pursuing right now under education include creating
3 a coordinated education program where we're working
4 to partner to disseminate information and create
5 training opportunities with groups of organizations
6 and primarily invest in the website as an
7 educational tool. We're working right now to revise
8 our web page to provide more timely and current
9 information on radiation risk, the products we
10 regulate both to consumers, users and manufacturers
11 of the products that we regulate.

12 The benefits that we hope to reap from
13 our efforts include aligning our efforts with
14 today's current and evolving public health needs as
15 opposed to what we have done over the past decades.

16 We hope to expand our focus on patient and consumer
17 needs while maintaining the oversight we have over
18 the manufacturing community, targeting our
19 regulation to dose-intensive equipment and where the
20 true public health risks are, increasing the
21 information that we provide to our stakeholders,
22 manufacturers, users, regulators and the public and

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1 improving coordination across the radiological
2 health community.

3 That concludes my remarks. I've
4 provided my contact information. There is
5 information available on the CDRH web page on these
6 new initiatives and you can get a copy of the plan
7 there. There's also a public meeting that will
8 happen on October 31st and November 1st. And
9 there's a *Federal Register* notice that published
10 recently on that as well.

11 CHAIR HENDRICKS: Thank you very much.
12 Any questions or input from the panel or from the
13 audience related to the presentation? I just do
14 have a simple question for clarification regarding
15 the devices that you were referring to as higher
16 risk and I wanted to have a clarification for what
17 those devices might be.

18 LT. COMMANDER BOYD: FDA regulates
19 virtually any electronic product that emits any form
20 of radiation. Television products and microwave
21 oven products are two examples of products that we
22 began regulating when the Radiation Control for

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1 Health and Safety Act was promulgated decades ago.
2 Those would be examples of low risk devices. CT
3 scanner, radiation therapy equipment, primarily
4 ionizing medical types of equipment are things that
5 we view as highest priority for this.

6 CHAIR HENDRICKS: So all the medical
7 applications are really considered high risk.

8 LT. COMMANDER BOYD: Right.

9 CHAIR HENDRICKS: Thank you. Okay. As
10 we move along, we have two speakers who are going to
11 speak jointly or split the time. We have Priscilla
12 Butler from the American College of Radiology
13 speaking first on providing an update on the Current
14 Voluntary Interventional Mammography Accreditation
15 Programs. Welcome.

16 MS. BUTLER: Thank you. I thought we
17 were ready for the break but here I am. I'll be
18 giving you a brief update on what's going on with
19 stereotactic breast biopsy accreditation. Next
20 slide, Mike, please. The Stereo Accreditation
21 Program was first offered in 1996. It was modeled
22 after the Mammo Accreditation Program which was very

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1 successful even though voluntary at that time.

2 I do want to point out that the stereo
3 program only evaluates breast biopsy procedures.
4 There's no needle localization or ductography or
5 other interventional procedures evaluated during
6 this program and as with all of our accreditation
7 programs, we look at personnel qualifications,
8 clinical image quality, phantom image quality and
9 dose, all of our x-ray programs look at dose, and
10 the facility's quality control program.

11 Just like mammography, we evaluate
12 personnel's initial qualifications. That includes
13 their initial training as well as their initial
14 experience, what they get during continuing
15 education and continuing experience.

16 The physicians, we look at physicians,
17 medical physicists and technologists. Back in 1996
18 with the realization that stereotactic breast biopsy
19 was being performed not only by radiologists but
20 also by other physicians. The ACR and the American
21 College of Surgeons worked out and published a very
22 detailed set of qualifications and they also defined

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1 several settings which these physicians would
2 practice in.

3 The collaborative setting is the setting
4 where a radiologist and other physicians would work
5 together in the same setting both performing
6 stereotactic breast biopsy procedures but perhaps
7 focusing on different aspects. But they would
8 basically support each other in those efforts. And
9 most accredited facilities that we look at tend to
10 practice in an independent setting where the
11 radiologist or the other physician would work
12 independently or as a group from the other
13 specialty.

14 I'm not going to go into the details of
15 those requirements. I have provided a handout with
16 those requirements if you want the other
17 information.

18 With regards to clinical images, at this
19 time we look at both masses and calcifications
20 facilities must submit what they consider to a good
21 example of a mass biopsy and a calcification biopsy.
22 We evaluate needle devices, vacuum suction devices

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1 and since there has been recently a number of FDA
2 approved core biopsy devices such as M block, we've
3 also started evaluating those.

4 The basic criteria for clinical image
5 quality has to do with accurate needle positioning
6 of the targeted lesion. So this is what our
7 pass/fail criteria is based on.

8 For the phantom images and dose, first
9 of all, dose must be less than 300 millirads and the
10 phantom image quality criteria is going to vary
11 depending on phantom is used. Just like
12 mammography, we look at fibro specks and masses and
13 there are two phantoms that we tell the facilities
14 they can use. There is a mini phantom which has an
15 abbreviated set of test objects which actually is
16 good for defying gravity because it has a little lip
17 that can hang off the devices and then they can also
18 use the standard mammography accreditation phantom
19 for the image quality evaluation. And we have
20 separate procedures to use both of those tools.

21 We require that facilities perform
22 quality control and the quality control that we ask

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1 for are those tests which are outlined in the 1999
2 Stereo Breast Biopsy Quality Control Manual.

3 Our reviewers must essentially meet the
4 same qualifications as the mammography accreditation
5 program reviewers. The reviewers must be ABR
6 certified and must be ACR members. They have to
7 participate in a formal training program. They have
8 to have a minimum of five years of experience and
9 they must in current or clinical physics practice
10 across the United States.

11 We are very careful to address potential
12 conflict of interest issues. We have an automated
13 system to remove them from evaluating any facilities
14 which may be from the same state or any other state
15 which they've identified a conflict of interest and
16 we also perform quality control on the reviewers.

17 With that background, I would just like
18 to show you some of our current data. This is a
19 chart showing the volume of accredited facilities
20 over time. Currently we accredit 436 units at 428
21 facilities. There are a couple facilities out there
22 that do have multiple units. We've seen a slight

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1 increase over the past year. We were getting
2 worried from 2002 to 2004 because it looked like we
3 were seeing a trend with facilities pulling out
4 accreditation and there was less and less of an
5 interest getting accredited. Recently we've seen an
6 increase in accreditation. I'm not exactly sure
7 what to attribute that to but we'll continue
8 watching this.

9 The other thing I think is of interest
10 is what our pass/fail rates are. And just like
11 mammography accreditation, facilities have three
12 attempts at accreditation. Basically, it's not a
13 three strikes you're out but a three strikes we show
14 up on your doorstep. And the first attempt at
15 accreditation if they do not pass they get a
16 deficiency.

17 Now what I'm showing you on this slide
18 is first let's focus on the green bar. This is the
19 overall pass rate after the first attempt at
20 accreditation. In 2000, it looks we just had about
21 60 percent overall pass rate which means 40 percent
22 of the facilities applying were not passing

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1 accreditation.

2 We thought we were seeing an increase in
3 the number of passing back in 2004 because we had
4 almost reached 70 percent. With the data that I
5 just ran last week, it looks like it's just dropped
6 slightly. But I'm not sure because of these numbers
7 how statistically significant they are for the year.

8 But again, one thing that's really important to
9 realize is in a very similar program and in fact in
10 some sense more strict because of the MQSA
11 regulations, mammography passes 90 percent of the
12 units on their first attempt at accreditation now.
13 In mammography when the program was still voluntary,
14 we were seeing about a 70 percent pass rate. This
15 pass rate hasn't changed significantly over the past
16 four or five years.

17 Now the other thing that's interesting
18 to note is the red and the blue bars. The red bars
19 are the number of units, are the initial
20 accreditation, which means that the unit goes
21 through accreditation for the first time. Then the
22 blue bars are renewal accreditation. We were seeing

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1 again in 2003 and 2004 a significant improvement in
2 the number of passes upon renewal which was really a
3 good sign.

4 In 2005 again we need to look at this
5 data carefully. I'm not exactly sure what has
6 happened but one thing that we did see in the
7 mammography program is as the program got out, many
8 facilities were replacing their old units and all of
9 a sudden, we started seeing the initial
10 accreditation creep up in the pass rate because
11 these initials were brand new units that these
12 facilities were installing. They were higher
13 quality. They were doing a better job.

14 Then some of the renewal, the pass rates
15 started going down, because they were renewing with
16 the same old units they've had for the past 15
17 years. So this is a trend that we have to watch to
18 see if it's following what we've seen in
19 mammography. But we will watch this.

20 Then the last piece of the pie that I
21 want to present is that why are facilities failing
22 accreditation. The vast majority are failing

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1 because of clinical failures and we have 63 percent
2 failing due to clinical only and another 10 percent
3 failing due to clinical plus phantom. What this
4 means is that the facility submitting their
5 accreditation applications and they think it's their
6 best work, our reviewers have determined that they
7 have not been able to adequately target the lesion
8 and that's why they're failing. So similar to the
9 mammography, most of the deficiencies that they're
10 getting are due to clinical reasons rather than a
11 phantom or a dose issue.

12 I'll be happy to take any questions or
13 we can wait until after our next speaker.

14 CHAIR HENDRICKS: I have a question just
15 for clarification.

16 MS. BUTLER: Yes.

17 CHAIR HENDRICKS: Regarding the clinical
18 process, are the facilities submitting the pre
19 biopsy films and then the procedure related films
20 and also the images that are obtained of the cores
21 and then maybe some post procedure films? I'm not
22 sure what the process is for the clinical review.

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1 MS. BUTLER: Okay. The details of the
2 process are in the handout that I gave you and in a
3 nutshell, they submit the mammograms where they've
4 identified the lesions they want to target and then
5 they will submit pre biopsy images, post biopsy
6 images and for calcs, they'll submit the specimen
7 radiography exams.

8 CHAIR HENDRICKS: And the post procedure
9 films if they are available?

10 MS. BUTLER: In terms of mammograms or
11 as far as the biopsy?

12 CHAIR HENDRICKS: Yes, mammography.

13 MS. BUTLER: No, not the post procedure
14 mammograms.

15 CHAIR HENDRICKS: So it's a question of
16 whether the calcifications were present in the core
17 specimens? Is that the critical question?

18 MS. BUTLER: They need to be able to see
19 the calcifications on the original mammograms and
20 then they need to be able to target those
21 calcifications if it's a calc and then show on the
22 core and that would be during the post biopsy exam

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1 and then on the core be able to show that they got
2 those calcifications on the specimen radiography
3 exams.

4 CHAIR HENDRICKS: I understand. And
5 during the accreditation procedure, for example, how
6 many of these examples are submitted? This may be
7 in the text but I just wanted to know how many
8 samples are submitted to determine the pass or fail
9 in the clinical. How many examples are submitted by
10 the facility?

11 MS. BUTLER: We ask them to submit two
12 cases, one showing an example of the accurate
13 targeting for a mass and also one for
14 calcifications. If they do FNAC, we also ask them
15 to submit those cases too.

16 CHAIR HENDRICKS: So in order to receive
17 a passing grade on the accreditation, then both of
18 those sets need, in other words, confirmation
19 procedure, if they fail on one, they receive a fail.

20 MS. BUTLER: That is correct. If they
21 do not pass on one of those exams, if they receive a
22 deficiency, then they don't get accredited.

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1 CHAIR HENDRICKS: I see. Thank you.

2 MS. BUTLER: And one other thing I did
3 forget to mention is we have a very similar program
4 for breast biopsy accreditation and the criterion in
5 a lot of ways is very similar.

6 CHAIR HENDRICKS: The facility is
7 selecting the images that are submitted to ACR for
8 accreditation.

9 MS. BUTLER: That is correct. We asked
10 them to submit an example of their best work.

11 CHAIR HENDRICKS: So then are you
12 surprised at these failure rates since the
13 facilities have identified these two case as their
14 best work?

15 MS. BUTLER: Yes.

16 CHAIR HENDRICKS: Then you point out
17 that that's the same as mammography accreditation
18 facilities, similar to the best work for people --

19 MS. BUTLER: Yes, in mammography
20 accreditation, facilities are also asked to submit
21 examples of their best work and I do need to point
22 out that our reviewers know that they're evaluating

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1 best work and they judge this accordingly.

2 CHAIR HENDRICKS: Thank you. Other
3 questions or comments from the panel first for this
4 speaker? Dr. Williams.

5 MEMBER WILLIAMS: I just missed your
6 comment there, Penny, about you also have a program
7 for what other kind of breast biopsy that are
8 similar.

9 MS. BUTLER: Breast ultrasound.

10 MEMBER WILLIAMS: For ultrasound. Okay.

11 MS. BUTLER: For breast ultrasound and
12 that evaluates not only breast ultrasound image
13 quality for routine breast ultrasound imaging, but
14 also breast ultrasound biopsy procedures.

15 EXEC. SECRETARY FINDER: Can I just have
16 people hold for a minute so we can get Dr. Harrison
17 back on hopefully.

18 (Pause.)

19 CHAIR HENDRICKS: I have another
20 question for clarification regarding the numbers of
21 the facilities so far that have participated in the
22 voluntary program, two questions really. What

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1 percentage of this volume is the total pie of the
2 number of stereotactic equipment that we think we
3 have in the United States right now, just a
4 ballpark? What fraction?

5 MS. BUTLER: We estimate that there's
6 about 3,000 units.

7 CHAIR HENDRICKS: Three thousand units.

8 Okay. And the other questions in terms of the
9 individuals in the facilities that have agreed to do
10 this voluntary program, was it primarily academic
11 centers or individuals radiology groups, surgeons?
12 What is the mix of the individuals who agreed to
13 participate in the voluntary program?

14 MS. BUTLER: In this program it's
15 primarily radiologists and the practice setting
16 really are all over the place, lots of academic
17 centers. We also have a lot of community practices,
18 smaller hospitals, that go through accreditation.

19 CHAIR HENDRICKS: So you felt like you
20 got a reasonable mix.

21 MS. BUTLER: Yes.

22 CHAIR HENDRICKS: Although it's a fairly

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1 small sample of what's going on out there?

2 MS. BUTLER: Yes.

3 CHAIR HENDRICKS: Thank you. Questions
4 or comments from the panel first and then from the
5 audience? We do have a question from the audience.

6 Can you come to the microphone and reintroduce
7 yourself for our speaker or our panel member at a
8 distance?

9 MS. WAGNER: I'm Judy Wagner. I have a
10 question just to clarify. The first bar is the
11 initial. The second bar is the redo. And the third
12 bar is the total of the two?

13 MS. BUTLER: Yes.

14 MS. WAGNER: And one other question,
15 where you have for comparison over 90 percent of
16 mammography units currently pass on the first
17 attempt. So what really stands out to me, and
18 clarify this if I'm wrong, is that mandating these
19 things raises the bar for quality rather than it
20 being voluntary. Would that be correct?

21 MS. BUTLER: Yes.

22 MS. WAGNER: Thank you.

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1 MS. BUTLER: What we saw during the
2 mammography accreditation program is after MQSA went
3 into effect was a steady increase in the pass rate.
4 What we also saw in mammography accreditation is
5 that immediately after MQSA went into, just prior to
6 MQSA going into effect, facilities that did not
7 pass accreditation many of them dropped out and they
8 didn't continue pursuing accreditation. After MQSA
9 went into effect, that didn't happen any more
10 because they didn't have that option. It may be
11 applicable to stereotactic breast biopsy. There's a
12 lot of similarities that we're seeing right now.

13 CHAIR HENDRICKS: A question from the
14 panel.

15 MEMBER MONTICCILOLO: I just have a
16 question for Ms. Butler. Penny, you said that it's
17 mainly radiologists who have applied so far even
18 though the practice settings vary. We don't really
19 have a good handle on what non radiologists are
20 doing from the numbers. Is that correct?

21 MS. BUTLER: We have several surgeon
22 practices that have applied for accreditation and

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1 the next speaker will be talking about the American
2 College of Surgeons Program which we provide support
3 for.

4 CHAIR HENDRICKS: Dr. Barr.

5 DR. BARR: Helen Barr, FDA. Penny, do
6 you follow these submitted cases to look at what the
7 diagnosis was? In other words, is there any
8 correlation between failure? Does failure prove
9 that the biopsy was not diagnostic? Is there any
10 correlation between your failures and diagnosis of
11 the lesion? Do we have any evidence on that?

12 MS. BUTLER: This is not something that
13 we've been tracking and I guess I'm trying to figure
14 out how we would do that. But no, I have no data on
15 that.

16 CHAIR HENDRICKS: I just have another
17 question for clarification regarding the process
18 because we've been talking about how burdensome some
19 of these processes are and that that might be a
20 deterrent for voluntary participation in these
21 programs. So in terms of the clinical component,
22 what is the obligation to the facility? How much

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1 time does it take in terms of preparation for this
2 accreditation in your estimation? What is the
3 burden to the facility to participate in this
4 program in terms of manpower, fees?

5 MS. BUTLER: As far as fees go, it's
6 \$1,200 for the first unit and I believe it's \$1,050
7 for the second unit. We don't have that many for
8 second units out there.

9 As far as time goes, the documentation
10 of personnel requirements is critical but most of
11 the physicians, for example, and even the
12 technologists, certainly when the medical physicists
13 are involved, they are already in the habit of
14 documenting this information because they're
15 required to under MQSA and in fact, many of the
16 personnel requirements really parallel what MQSA
17 requires.

18 The quality control, there certainly is
19 time associated with that and I don't have immediate
20 figures on that right now. But once again, a lot of
21 the tests are very similar to what's required for
22 MQSA. An annual medical physicist survey is also

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1 required. But all these things I think are good
2 practices that have been established through MQSA
3 and I wouldn't say that this is more burdensome than
4 MQSA perhaps in some sense because it may be less
5 burdensome, but just because MQSA has already taken
6 a lot of the burden regarding the personnel stuff.

7 CHAIR HENDRICKS: Thank you very much.
8 Dr. Monticciolo.

9 MEMBER MONTICCIOLO: This is Dr.
10 Monticciolo. I would echo some of the things that
11 Penny said like my site is accredited for a
12 stereotactic. So I've been through this process and
13 a lot of the things we would do anyway just for
14 quality purposes, it's a good idea. We QA the
15 machine every single morning so that we're ready and
16 make sure everything is calibrated for every
17 patient. So we would do that anyway. I think most
18 of the requirements for the accreditation program
19 are reasonable.

20 The only issue that we're having and is
21 probably going to be addressed in committee and you
22 could speak to this, Penny, is that it's currently

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1 required that we submit images on masses and
2 calcifications and almost all masses we see well
3 with ultrasound. So we probably see them with
4 ultrasound. The last time we went up for
5 accreditation we had a hard time getting the mass
6 because I didn't want to put somebody on the table
7 just to get the accreditation when I knew it was
8 easier for the patient to have an ultrasound if
9 you're a reasonable clinician and you care about
10 your patient.

11 People said to me, "Why don't you just
12 put somebody on the table with a mass" and I
13 couldn't just bring myself to do that. So it took
14 me a long time to find a mass that we couldn't see
15 with ultrasound and we could the stereo biopsy.
16 That's probably something that's easily addressed.

17 MS. BUTLER: I'd like to comment on
18 that. That's why I carefully chose my words when I
19 talked about masses at this time. Dr. Phil Evans
20 who is chair of the committee is actually convening
21 a meeting to look at the mass issue and where we are
22 at this point in time. Medicine evolves and I think

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1 our programs have to evolve to appropriately reflect
2 how we evaluate these medical procedures.

3 CHAIR HENDRICKS: Thank you. I just
4 have one quick question just for clarification
5 again. How were the participants identified to
6 participate in this voluntary program? Were they
7 new machine purchasers of new equipment or
8 facilities who had already been involved in the MQSA
9 inspections? How were the participants identified?

10 MS. BUTLER: Basically, they self-
11 identified themselves. This is a study. This is an
12 accreditation program and these facilities applied
13 to us for accreditation in order to try to do
14 demonstrate the quality of the work that they're
15 doing there. As with all of our accreditation
16 programs, they start this way.

17 CHAIR HENDRICKS: Thank you. I question
18 from Dr. Williams and then from an audience
19 participant.

20 MEMBER WILLIAMS: This is Mark Williams.
21 Just in follow-up to the question about the burden
22 just from the standpoint of the physicist, I don't

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1 know if Melissa and the other physicists in the
2 audience share this experience, but we found that
3 the annual physics survey for the stereotactic
4 systems actually takes less time than for a normal
5 mammo unit. So the burden level there, I would say,
6 is less even than a normal unit.

7 CHAIR HENDRICKS: Melissa.

8 MEMBER MARTIN: Melissa Martin. I would
9 reiterate what Dr. Williams just said. Certainly
10 the time on the machine for the physicist is
11 definitely less than on a standard mammography
12 system and I think there is a direct correlation
13 with that. We have several facilities in a range of
14 settings.

15 As a consulting physicist, we have very
16 few academic centers. So ours are primarily
17 community based hospitals and private offices.
18 Several have voluntarily gone through the
19 accreditation program and they do not find the QC
20 for the stereotactic, that is, the least burdensome
21 process that they have of all the breast imaging
22 equipment in the department.

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1 I would just also offer. We actually
2 have several sites too that have voluntarily gotten
3 the ACR manual for quality control, adopted that
4 program and use it in-house even though they haven't
5 paid the \$1,200 to get accredited. But they want
6 that QC program and that's what they use to document
7 for quality control just within their own centers
8 which I would find if that is a truly burdensome
9 process, it wouldn't be done voluntarily in-house.
10 So I would just reiterate. The QC part is not
11 burdensome on that program.

12 CHAIR HENDRICKS: Thank you very much.
13 Any other questions or comments from panel members?

14 MEMBER PASSETTI: Bill Passetti. You
15 said there was about 3,000 facilities in the
16 country, somewhere around that neighborhood.

17 MS. BUTLER: Yes.

18 MEMBER PASSETTI: Do we know how many of
19 those are MQSA accredited facilities or totally
20 separate?

21 MS. BUTLER: We have no data on that. I
22 would imagine just from our anecdotal experience

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1 that most stereo units are associated with an MQSA
2 certified facility. So if it's a dedicated prone
3 table, obviously it wouldn't require MQSA
4 accreditation. There are some add-on units out
5 there and most of these add-on units actually
6 mammography. So they would have to be covered under
7 MQSA.

8 CHAIR HENDRICKS: Yes. Carol Mount.

9 MEMBER MOUNT: I just wanted to echo the
10 quality control program from the technologist
11 standpoint is also very easy to do. The
12 technologist in the breast imaging department are
13 very familiar as Penny said with going through and
14 doing the weekly QC and it takes minutes in the
15 morning to get the machine ready and then they do
16 their checklist and their quality control. So it's
17 not a burden at all to the technologist to add this
18 to their daily work.

19 CHAIR HENDRICKS: One final comment from
20 the audience before we move on.

21 MS. WAGNER: Judy Wagner, R.N. I just
22 want to tell you that in my presentation I get

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1 questions from women all the time and the big
2 question is where do I find in an accredited breast
3 center. So I have now put it in my PowerPoint
4 presentation. The ACR has a wonderful site. You go
5 under ACR.org under Facilities and you can find if
6 your sister lives in Missouri, you look up all. You
7 look under stereotactic. You plug in stereotactic
8 and you plug in the city. If you can't find that
9 city, just use Missouri and all of the accredited
10 centers for stereotactic will come up in that area.

11 Same with ultrasound. So it's a really good
12 resource. I have it in my handouts to women so that
13 they can network this knowledge to other women.

14 MS. BUTLER: Thank you.

15 CHAIR HENDRICKS: Thank you very much
16 and thank you for your presentation. We'll move
17 then to the next speaker who is Kambiz Dowlat, Dr.
18 Dowlat, welcome, to talk about interventional
19 procedures related to breast disease.

20 DR. DOWLATSHAHI: Ladies and Gentlemen,
21 thank you for inviting me to present the views of
22 the College of Surgeons as well as myself regarding

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1 the stereotactic programs. I was called in because
2 I was involved with this device from the first day
3 but I didn't have a lot of time to collect
4 information and data. So my presentation is going
5 to be very general and hopefully I will give you
6 some message as to what we surgeons think about the
7 stereotactic needle biopsy and it's safety and
8 efficiently.

9 Some historical notes. This is a little
10 bit of too much writing but I'll try to read it for
11 you. Screening mammography as most of you may know
12 started in the "60s with the Shapiro reporting in New
13 York the data and subsequently on a wider scale
14 around the country in the late "70s. Then it became
15 very widely applied tests in the United States, I
16 would say, in the late "80s and early "90s.

17 The suspicious lesions that were
18 detected by mammography were wire localized by
19 radiologists and removed by surgeons for diagnosis.

20 This is where I was involved with the mammography
21 and this is how I became more interested in breast
22 cancer detection and diagnosis and treatment.

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1 As I said, I introduced the stereotactic
2 needle biopsy in the United States from Sweden only
3 because I did not think that wire localization and
4 excision was a good way of doing things because 75
5 to 80 percent of the biopsies that we did at the
6 time were all benign. I thought that was unfair to
7 women.

8 So the technique was developed in Sweden
9 and the first unit was brought into the University
10 of Chicago and that's where I worked with it and
11 tested it against the open biopsy and others have
12 done equally well and subsequently this was accepted
13 by radiologists at first because I couldn't sell it
14 to surgeons and then the surgeons came into the
15 field at a later stage.

16 Breast ultrasound was also a diagnostic
17 step for intervention. It was popularized by my
18 colleague, Dr. Staren, at Rush in Chicago. This was
19 again a historical note which I want to introduce
20 because both the stereotactic and ultrasound came
21 together in the mid '90s when the need for
22 intervention became obvious.

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1 In 1997, the surgeons felt somewhat
2 threatened that their practice was taken over by
3 intervention or radiologists and they went to the
4 College of Surgeons and they asked me and Dr. Staren
5 and we formed a group and started the stereotactic
6 and ultrasound courses given at the College meetings
7 twice a year.

8 In the earlier phases of these courses,
9 we were giving certificates to the participating
10 individuals so that they could go back to their
11 hospitals and start practicing the intervention of
12 steps being either stereotactic or ultrasound.

13 A set of guidelines as was pointed out
14 by the previous speaker was developed in conjunction
15 with the College of Radiology and I have a copy of
16 that for the panel. Unfortunately, as I said, I
17 didn't have enough time to make a lot of copies, but
18 it describes what this voluntary program which is
19 place by the College of Surgeons for their fellows
20 and for their practicing fellows is all about.

21 My comment is that the practice of
22 surgery is becoming more and more image dependent.

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1 And you can see that if you go into any set of
2 operating rooms in the hospital that something like
3 eight out of ten surgeons are operating on the
4 screen. Laparoscopic cholecystectomy is a good
5 example as most of you know in the arthroscopic
6 procedures and so on and so on.

7 The 21st century practice of surgery has
8 become very image dependent. Therefore, surgeons
9 have to become cognizant of what the mammographic
10 problems are and therefore become familiar and
11 become skilled at reading and intervening whenever
12 is necessary.

13 Of course, safety of the patient and
14 accuracy of the procedure through correct diagnosis
15 is paramount. If you miss a cancer overdue or over
16 practice the needle biopsy at the slightest risk of
17 malignancy, it's a very fine skill and find
18 experience to obtain. It takes time to be able to
19 do this procedure both with ultrasound and the
20 stereotactic.

21 Now image-guided treatment of breast
22 cancer is also on the horizon. I'm sure a lot of

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1 you know about the laser treatment of these tumors
2 as well as the radio frequency, cryosurgery. These
3 are all minimally invasive means of treating but
4 image dependent methods of treating breast cancers.

5 Surgeons are also involved with the placement of
6 the radiation devices for partial treatment of
7 breast tumors. So as I said, earlier on, more and
8 more image dependent technology is coming into the
9 field and we just have to learn about them.

10 In my opinion, the current stereotactic
11 biopsy program as I have given copies to the panel
12 members is adequate for practicing surgeons and
13 should serve the primary goals of patient safety and
14 the diagnosis of cancer. It's not popular with
15 surgeons and radiologists for a variety of reasons.

16 It adds a little bit more to their busy schedule.
17 You just have to submit, I'm just saying that by
18 having spoken to several surgeons in the past week,
19 that if they are working with radiologists, life is
20 made easier for them because the mechanism is
21 already in existence for the submission of the
22 application.

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1 But if they are independent, they have
2 to come up with the resources in order to fulfill
3 the requirements and I think that's one of the
4 questions that was brought up earlier on does
5 everyone fulfill these requirements or participate
6 in these voluntary programs or not. I'm trying to
7 explain one of the reasons why it has not been
8 followed through by a lot of surgical practitioners
9 as independent practitioners.

10 I personally believe that the problem of
11 dealing with breast disease and breast abnormalities
12 should be addressed by the Residency Review
13 Committee. This is a committee which reviews the
14 material taught to the surgical residents. I think
15 image guided breast biopsy and therapy should become
16 part of the resident training program.

17 What we are dealing with now is insure
18 that today's practicing surgeons are familiar and
19 they practice correctly and they know how to handle
20 biopsy or how to read the mammogram and so on. I
21 think for the future this should be addressed at a
22 much earlier stage of training of the surgeons.

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1 You should be taught at the residency
2 level at the major teaching hospitals. They all
3 should have image guided training programs. This is
4 a rapidly evolving field for which the trainees
5 should be given instructions and then subsequently
6 the American Board of Surgery should test them in
7 order to assure that they are qualified for practice
8 in this field.

9 That's my last one. I addressed the
10 subject in a very general way but I would be happy
11 to answer any specific questions to the best of my
12 ability.

13 CHAIR HENDRICKS: Yes. From the panel
14 first. Dr. Williams.

15 MEMBER WILLIAMS: This is Mark Williams.
16 This is actually a question for either of the last
17 two speakers. I was wondering. The ACR was
18 obviously involved in putting together this
19 accreditation program for the ACS. Could either of
20 you just say in a couple of sentences what the major
21 differences are between the two in terms of either
22 the accreditation application process or in the

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1 quality control procedures recommended?

2 DR. DOWLATSHAHI: As far as I know,
3 there isn't a whole lot of difference. The brochure
4 that I gave you I was involved with this development
5 about four or five years ago and then it was
6 recently revised. But it was developed jointly with
7 the College of Radiologists. Would you like to add
8 to that?

9 MS. BUTLER: Penny Butler, American
10 College of Radiology. The requirements of the
11 program are exactly the same between the American
12 College of Surgeons' program and the American
13 College of Radiology's program. The really only
14 difference is administrative. The initial contact
15 is made through the American College of Surgeons'
16 Office but the review is done by the American
17 College of Radiology reviewers for the American
18 College of Surgeons program and then the results
19 letter obviously goes to the facility from the
20 American College of Surgeons.

21 CHAIR HENDRICKS: I have a question for
22 clarification, Penny, please regarding the

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1 applications. Have they all been under the
2 collaborative track or have some facilities, some
3 physicians, applied and been accredited on the
4 independent setting track?

5 MS. BUTLER: In the American College of
6 Radiology program, I would say most of the
7 applications come under the independent setting
8 track and because mostly radiologists are attracted
9 to the ACR program, most of those would be
10 radiologists. Although we do have some surgeons
11 apply to our program and they'll also apply to the
12 American College of Surgeons.

13 CHAIR HENDRICKS: I do note in reviewing
14 the document that there do seem to be some
15 differences related to the quality assurance
16 activities. This is in response to Dr. Barr's
17 comment about following up the number, some audits
18 details, of biopsies, cancers, followed, biopsies
19 needing repeat biopsies and then the false negative
20 and PPV values in the practice. So is there some of
21 that data that is being generated now as part of the
22 current accreditation process for the physicians on

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1 the independent track?

2 MS. BUTLER: Unfortunately at this time,
3 we are requesting this audit data but it's not a
4 requirement that they do it and I think I have that
5 in here. But we're trying to get that data. I
6 don't have that data analyzed in order to present.

7 But another thing I did want to point
8 out to Dr. Barr's question, of course you only think
9 of these after you sit down, is regarding the
10 diagnosis and correlation we don't have that for
11 mammography either.

12 CHAIR HENDRICKS: Thank you. I have one
13 other question for both of you related to how the
14 surgeons who participate in the collaborative
15 setting track to meet these accreditation criteria,
16 how they document that they have read the 480
17 mammograms in conjunction with a radiologist or
18 independently with separate, I don't know what the
19 language is, for confirmation of their mammography
20 requirement to be accredited?

21 DR. DOWLATSHAHI: I think if I just
22 answer that question with the focus on surgeons who

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1 more than 50 percent of their practice is breast
2 surgery. They see easily, myself I see, more than
3 20 patients a week and that comes up to 1,000. I
4 think that's because 95 percent of my practice is
5 breast surgery. But for those who are even 50
6 percent of their practice is breast they easily see
7 480 mammograms either independently or in
8 conjunction with a radiologist.

9 CHAIR HENDRICKS: So is that an
10 assumption that those physicians met that criteria
11 based on this descriptor or is there some way to
12 quantitate the matter?

13 DR. DOWLATSHAHI: Do they actually write
14 it down on a daily or weekly basis? I think some do
15 but not all.

16 CHAIR HENDRICKS: So it's not a
17 requirement at this point in time to demonstrate
18 that the physicians on the collaborative setting
19 track the mammograms.

20 DR. DOWLATSHAHI: That's part of the
21 requirements. It's part of the requirements that
22 they should read or interpret that many mammograms

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1 every year in order to remain on the ball.

2 CHAIR HENDRICKS: Thank you. Yes,
3 Penny.

4 MS. BUTLER: Penny Butler, ACR. From
5 the American College of Radiology perspective just
6 to differentiate, the American College of Surgeons
7 evaluate the personnel qualifications and the ACR
8 evaluates the personnel qualifications for
9 facilities accrediting through us. We require them
10 to sign an attestation that they have met these
11 qualifications and then when we do site visits, we
12 notify them that they must agree to a site visit at
13 any time. When we do our site visits, one of the
14 things that we look for is a log for whatever
15 setting they're in that they actually have that
16 documentation in place.

17 CHAIR HENDRICKS: Thank you very much.
18 Other questions or comments from the panel or from
19 the audience? Yes, Carol.

20 MEMBER MOUNT: I have a question for
21 both of you or either one. What happens when you
22 have a facility where the radiology department has

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1 an accredited biopsy table and the radiologist and
2 their team is accredited. The surgeon also wishes
3 to use that table and they are not accredited? What
4 happens or does it work?

5 DR. DOWLATSHAHI: This is Dowlat from
6 Chicago. I think the surgeon usually has taken the
7 training course either by the College of Surgeons or
8 by another accredited organization and is familiar
9 with this procedure. Therefore he may not have that
10 document from the College of Surgeons yet if that is
11 what you are talking about.

12 MEMBER MOUNT: Right. I'm just
13 wondering. Is it then legal for him to use this
14 machine that is accredited?

15 DR. DOWLATSHAHI: Is it legal?

16 MEMBER MOUNT: If it were a mandated
17 process, would it be?

18 DR. DOWLATSHAHI: I think that would be
19 yes. But at this point because it's a voluntary
20 program the onus is on the surgeon to have taken the
21 course and to have passed the test because also
22 taking the course, they are given a test to insure

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1 that they have understood and they know how the
2 machinery works before they go to the site. When
3 they go to the site, they usually are supervised in
4 the first cases either by another surgeon or by a
5 radiologist.

6 MS. BUTLER: Penny Butler, American
7 College of Radiology. In the ACR program, I would
8 hope that scenario would be covered under a
9 collaborative setting and that the surgeon would be
10 working with a radiologist in that setting and would
11 have the appropriate documentation available to show
12 that the individual is qualified.

13 Unfortunately, that's not always the
14 case and the accreditation has been applied for by a
15 radiologist. One thing that we have in our survey
16 agreement with all of our voluntary accreditation
17 participants is that all personnel that work in the
18 procedure must be qualified and that the lead
19 interpreting physician there is responsible to
20 making sure that all personnel meet the
21 qualifications. If the qualifications can't be
22 documented that they've been met, the American

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1 College of Radiology would have to look at as to
2 whether their accreditation could be maintained.

3 CHAIR HENDRICKS: Thank you very much.
4 Any other questions or comments from the panel?
5 Yes, Dr. Ferguson.

6 MEMBER FERGUSON: Does the American
7 College of Surgeons believe that accreditation
8 should be mandatory?

9 DR. DOWLATSHAHI: Not being directly in
10 the College myself, I think the answer is that at
11 this time they think if the voluntary system works
12 they should keep it as such. This very question was
13 actually debated several years ago when I was
14 intimating involved with this program and it was
15 tabled. I don't know what is the official view of
16 the college at this time.

17 MEMBER FERGUSON: Your personal view.

18 DR. DOWLATSHAHI: My personal view is
19 that this is a kind of a skill that a surgeon should
20 have. If he or she is going to treat a patient for
21 diagnosis or treatment, it makes no difference
22 whether it is an imaging program related to breast

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1 or to the heart or liver or gall bladder or
2 something. He and she should have that skill. It's
3 the same as a biopsy, introduce that instead of full
4 dissection. Thirty patients are a minimum number
5 of cases done before the surgeon knows that he or
6 she is adequately skilled to operate on their own.

7 The same thing is here. I think they
8 should know enough to be comfortable and secure that
9 they do a good job and they fulfill the criteria for
10 QA and QC.

11 MEMBER SEGELKEN: Jane Segelken. I just
12 have a comment about that and in a rural community
13 for example where I'm from, there are only 20 people
14 a year even diagnosed with breast cancer. So when
15 you're talking about such a small number of people
16 to have that kind of experience may or may not
17 happen. So at least you'll have an important
18 comment to make.

19 CHAIR HENDRICKS: The access question.
20 Do you want to respond to her before we move to the
21 next comment from a panel member?

22 DR. DOWLATSHAHI: Sure. You want me to

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1 respond to that. I think a small community is when
2 20 breast cancers are diagnosed a year. It may
3 unfair for a surgeon or radiologist to go into the
4 trouble of learning this procedure and to become
5 quite skilled at it. I think it may be better if
6 the people from the small community went to a larger
7 community near by. I don't know the geographic
8 location of your center, but I think it would be to
9 the advantage of the patient to travel maybe 50
10 miles to a larger center where the surgeons and
11 radiologists are very accustomed to this technology.

12 CHAIR HENDRICKS: Thank you. Another
13 comment from the panel?

14 MEMBER MARTIN: Melissa Martin. A
15 question and maybe I missed it. You're both talking
16 about programs. We've heard numbers about 3,000
17 units available. We saw numbers around 475 are
18 currently voluntarily accredited. Do you have a
19 breakdown of how many are accredited through the ACS
20 program and how many of those 475 or so through the
21 ACR program are the standalone surgical centers?

22 DR. DOWLATSHAHI: I think most of the

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1 numbers that given to you are by the ACR. Very few
2 are through the ACS.

3 MS. BUTLER: Penny Butler, American
4 College of Surgeons. (Laughter.) Let me take that
5 back.

6 DR. DOWLATSHAHI: Now that you brainwash
7 her.

8 MS. BUTLER: Currently with the American
9 College of Radiology. Currently we have in our
10 records I believe it's 12 facilities accredited
11 through the American College of Surgeons. I don't
12 have a precise number for the number of independent
13 surgical practices that are accredited through the
14 American College of Radiology. It's not a large
15 number though.

16 CHAIR HENDRICKS: Carolyn Hendricks,
17 just a follow-up. What steps can ACR take and ACS
18 take to increase the proportion of centers that
19 participate in the program if we want to continue
20 along the voluntary pathway?

21 MS. BUTLER: We have been trying. For
22 all of our voluntary accreditation programs, we've

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1 embarked on a marketing effort to raise the
2 visibility of these programs. There has been some
3 success working through third party payers who are
4 obviously very much interested in scorecards and
5 paper performance and everything else and some of
6 them have become more interested. But I think if
7 you look at the tracking of the number of facilities
8 that have achieved accreditation since 2000 it
9 doesn't appear that this has made a significant
10 difference.

11 CHAIR HENDRICKS: Thank you. Maybe
12 we'll take one more comment before our break.
13 Welcome.

14 MS. WILCOX: In terms of the third party
15 payer --

16 CHAIR HENDRICKS: Please introduce
17 yourself.

18 MS. WILCOX: I'm sorry. Pam Wilcox,
19 American College of Radiology.

20 CHAIR HENDRICKS: Thank you.

21 MS. WILCOX: In terms of third party
22 payers, the ACR has been heavily marketing our

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1 accreditation programs to payers as a way to improve
2 quality. And unfortunately, although my soapbox is
3 frequently to talk about stereotactic breast biopsy
4 and breast ultrasound and the deficiency rates that
5 we see there, they're really not interested because
6 they're not high ticket enough items. They're much
7 more interested in MR, CT and PET. So it is highly
8 unlikely from my experience that the payers are
9 going to look at making these programs mandatory.
10 Thank you.

11 CHAIR HENDRICKS: Thank you. Yes, one
12 comment. Diane.

13 MEMBER RINELLA: Just one quick final
14 question. Diane Rinella. Of these facilities that
15 are accredited with the ACS, these stereotactic
16 tables, then that facility that is ACS certified
17 does not have to have onsite a radiologist. Is that
18 correct? So then the surgeon is going to be looking
19 at films that the patient has brought in, assessing
20 those films and then targeting the area themselves.

21 DR. DOWLATSHAHI: That's correct.

22 MEMBER RINELLA: Okay. Thank you.

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1 MS. SPRINKLE: I just have one comment.

2 CHAIR HENDRICKS: Please introduce
3 yourself at the mike first.

4 MS. SPRINKLE: Yes. Susan Sprinkle,
5 mammographer, mammography technologist and
6 consultant with Advanced Health Education Center in
7 Houston. I just have a comment. Since Diane
8 brought that up, it's the perfect time. It is also
9 if you are not accredited, if your stereotactic
10 program is not accredited, through the American
11 College of Radiology, you do not have to have a
12 qualified mammographer doing the procedure with the
13 radiologist or the surgeon. We have gotten request
14 at my company to train RTs to do stereotactic
15 procedures and we have issues with that. We believe
16 that a technologist that is assisting a radiologist
17 or a surgeon in a stereotactic procedure should be
18 a qualified mammographer.

19 CHAIR HENDRICKS: Thank you for that
20 comment and with that we'll take a 15 minute break.
21 Off the record.

22 (Whereupon, the foregoing matter went

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1 off the record at 10:48 a.m. and went back on the
2 record at 11:03 a.m.)

3 CHAIR HENDRICKS: On the record. I'd
4 like to reconvene the meeting and ask the panel
5 members in the audience to take their seats. Again
6 just as housekeeping item, we want to ask all the
7 speakers at the podium to state their names clearly
8 so that it can be incorporated in the transcript of
9 the meeting and so that our panel member at a
10 distance can hear all the comments. We would like
11 to keep the noise in the audience at a minimum so
12 the participants and the panel members can hear the
13 speakers.

14 With that, we'd like to welcome our
15 speaker to the podium, Donald Flater who is Chief of
16 the Iowa Bureau of Radiologic Health. Welcome.

17 MR. FLATER: Good morning. I want to
18 make something perfectly clear and that is in Iowa
19 stereotactic accreditation and certification is
20 mandatory.

21 I'd like to first start out by giving
22 you a little bit of information about the State of

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1 Iowa and our program. We only have 2.8 million
2 people in the whole State of Iowa. We have 138
3 hospitals. Of that, 96 of the hospitals are below
4 50 beds and probably half of that number are below
5 20 beds. So we don't have a lot of big ones. We
6 have one large one or we think it's large and that's
7 a 1,200 bed and that of course is the University of
8 Iowa Hospital. We currently have 156 mammography
9 units in the State of Iowa plus we have two digital
10 units. That does not include the count on the
11 stereotactics.

12 Now I'll refer to the handout that you
13 have. Stereotactic units in Iowa, we have 24 which
14 of that 24 there are two units that are mobile and
15 there are three units that are upright. The rest of
16 them are the supplying type units. Currently we
17 have 85 radiologists in 22 facilities and physicians
18 that are not radiologists, we have 24 that are in
19 six facilities. Two of those facilities are solely
20 surgeon facilities. They have no connection to
21 radiologists. And four of those facilities have
22 both radiologists and surgeons that use the

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1 stereotactic units.

2 Listed below, the information on the
3 physicians, are the noncompliance issues that we've
4 had so far in 2005 relative to our regulatory
5 program. We inspect each and every mammography unit
6 and stereotactic unit annually and the reason we do
7 that is the Iowa Administrative Code mandates that
8 we have no choice but to do that.

9 You can see listed there the different
10 types of noncompliances that we have found and I
11 would call your attention to Items 7, 8 and 9.
12 Seven, 8 and 9 all refer to one facility. The
13 reason for Item No. 7 being there is that this whole
14 process on these units happens to be a fraud issue
15 where an individual fraudulently manufactured the
16 phantom pictures. She did this on 11 different
17 times that we know of. The reason that No. 7 is
18 there is our attorney believes that in doing this
19 she definitely jeopardized the public health and
20 safety relative to patients that are going through
21 stereotactics.

22 This individual has in fact gone to

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1 court and we are waiting the final decision of the
2 judge. What we have asked is that her certificate
3 to practice mammography be revoked which basically
4 means that it never could come back into effect.
5 This happens to be an individual that has 26 years
6 of experience at the facility where she did in fact
7 the fraudulent activity and she does have about four
8 years in another place. So she has 30 years of
9 experience. We also found the same type of
10 fraudulent activity in the regular mammography
11 program.

12 You can see the rest of the information
13 that's down there, the different ways that
14 physicians can become qualified. Also attached
15 there are the rules do specifically address the
16 stereotactic processes and on the bottom of it you
17 will notice the note the Iowa Administrative Code.

18 You have to be a little careful in Iowa.

19 We talk about things like Iowa Code and Iowa
20 Administrative Code. Iowa Code is law. Iowa
21 Administrative Codes are rules. I give you this
22 information and if you'll note that on page 42 of

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1 the document is where the actual stereotactic
2 information can be found.

3 We change rules on a routine of about
4 once a year. As things change, we change rules as
5 they're necessary. So it's a process we don't worry
6 about. We're not like some places that take a long
7 time to get rules through. Our maximum amount of
8 time for a rule is from the time it becomes a
9 notice, about five months, and it's in place. So we
10 don't have a long period of time.

11 I would say that the program has worked
12 well. We started back in the mid "90s. We have not
13 had a lot of complaints at least that have come to
14 my office. We did have some difficulties with the
15 surgeons at first because they had never been
16 through such a program or such a process. So they
17 did have some trouble meeting some of the
18 requirements. We've kept the same requirements ever
19 since we started and in most cases, they have met
20 them.

21 We did have a bit of a problem with some
22 of the physicists inspections and that getting them

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1 done in a timely fashion and that kind of thing.
2 But that will all straight out. It's just a matter
3 of bringing it to their attention and asking them to
4 get it.

5 So it's been a good process. We do
6 enjoy it. Of course, this is one where we do not
7 have oversight from the FDA, but we're more than
8 willing to share our information with them and we do
9 talk with Dr. Finder every once and a while about
10 issues that come up.

11 One other point that we are in fact
12 trying to deal with at this point in time is the
13 radiologist assistants. In this area, we have
14 received a request from a training program that they
15 be allowed to provide training to the radiology
16 assistants.

17 Where our concern comes in is I know in
18 the information that has been put out it says that
19 they won't do any interpretation. That may be true
20 in your setting that is not rural. But we have a
21 number of facilities in Iowa where the radiologist
22 is located at another hospital. The radiology

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1 assistant come in. They do their work and then they
2 take all that information back to the hospital and
3 at times, they do make interpretations.

4 So I can see this program going the one
5 step further and running into that issue. I'm not
6 too sure it's not going to go that same way on our
7 regular mammography program. I think those requests
8 are going to come in as we have the continued
9 problem with people and the number of people going
10 into the practices and that kind of thing especially
11 in the rural communities. We have one radiologist
12 that covers seven different facilities. He likes to
13 fly. So he flies from one to the next one to the
14 next one. But we still run into some problems
15 there.

16 So we're going to have to deal with that
17 issue. We do approve schools and that kind of
18 thing. So I'm sure we're going to get into the
19 middle of that.

20 Again as I said, the rules are there.
21 They're very specific. We do mandate and this is
22 where we try to plagiarize quite bit on the ACR. We

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1 do use their quality control information and we do
2 mandate those kind of things. That's all I have
3 unless I can answer some questions for your folks.

4 CHAIR HENDRICKS: Dr. Williams.

5 MEMBER WILLIAMS: This is Mark Williams.

6 I just have one little question. You plagiarize
7 the quality control from the ACR, but I notice that
8 you didn't, unless I'm just overlooking it, include
9 assessment of the collimation which actually can be
10 a fairly important thing in stereotactic biopsy.
11 Was that on purpose?

12 MR. FLATER: It probably wasn't on
13 purpose. I didn't realize it was an issue but we
14 certainly can take it up and we'll take it back and
15 find out what's the problem. We do use physicists
16 in fact in Iowa. In order to be a physicist on list
17 you have to be either board certified or board
18 eligible, one of the two. And that has never come
19 up as an issue.

20 One of the noncompliance problems that
21 we have had, you'll notice that No. 1 is they're not
22 following the recommendation of or the indication

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1 from the physicist which we go back and force them
2 to do once we find out they haven't followed that.
3 So the collimation issue may be addressed at that
4 point in time. If the physicist says there's a
5 collimation problem, they're going to have to fix
6 it.

7 MEMBER WILLIAMS: Okay. I just didn't
8 see it in your list. So I don't know if the
9 physicist is looking at it or not.

10 MR. FLATER: I certainly will check on
11 it.

12 CHAIR HENDRICKS: Carolyn Hendricks,
13 Panel Chair. Just for clarification, does your
14 program have the same clinical component as the ACR
15 program and, if so, what are the details related to
16 the image review?

17 MR. FLATER: The image review, we
18 require that they do provide images. The images go
19 in front of what we call our clinical image review
20 group. We have seven radiologists under contract.
21 We provided the funding for them to all be trained
22 as individuals that do stereotactics. We had that

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1 done at the University of Iowa and then they are
2 required to meet the same requirements as we have
3 here. Even though they don't necessarily have
4 stereotactic at their facility, they have to meet
5 the same requirements in order to be an
6 interpreting physician.

7 CHAIR HENDRICKS: Did you employ similar
8 criteria for pass and fail and, if so, what kind of
9 data do you have on your facilities at this point in
10 time regarding pass rates and failure rates?

11 MR. FLATER: I can't answer that
12 question because I'm not the one that takes care of
13 that part of it. I listened to what Penny had to
14 say and I'm certainly going to go back and ask our
15 folks exactly what criteria they do use for the
16 actual image review process.

17 CHAIR HENDRICKS: Yes. Dr. Barr from
18 the audience.

19 DR. BARR: Helen Barr, FDA. Mr. Flater,
20 do you have any evidence that with your mandatory
21 program that there has been either an increase in
22 capture of lesions during stereotactic biopsy or a

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